



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

COOPER, Paul V.

Atty. Docket: 23438.00023

Appln. No.: 09/649,190

Group Art Unit: 1742

Filed: August 28, 2000

Examiner: Kastler, S.

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pb  
8/23/02  
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For: SCRAP MELTER AND IMPELLER THEREFORE

AMENDMENT UNDER 37 C.F.R. § 1.111

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action dated January 30, 2002, please amend the above-identified application as follows:

**IN THE CLAIMS:**

Please cancel claims 1-18 without prejudice or disclaimer.

In claim 26, line 7, delete "at".

Please add the following new claims:

31. A device for generating a downward stream of molten metal, the device comprising:  
a drive source;  
a drive shaft having a first end connected to the drive source and a second end;  
an open impeller having a plurality of outwardly extending blades and a  
connective portion formed therein for attaching the impeller to the second end of the drive shaft,  
wherein at least one of the plurality of outwardly extending blades includes a portion that directs

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